Function-Feature Intervals (version 1)
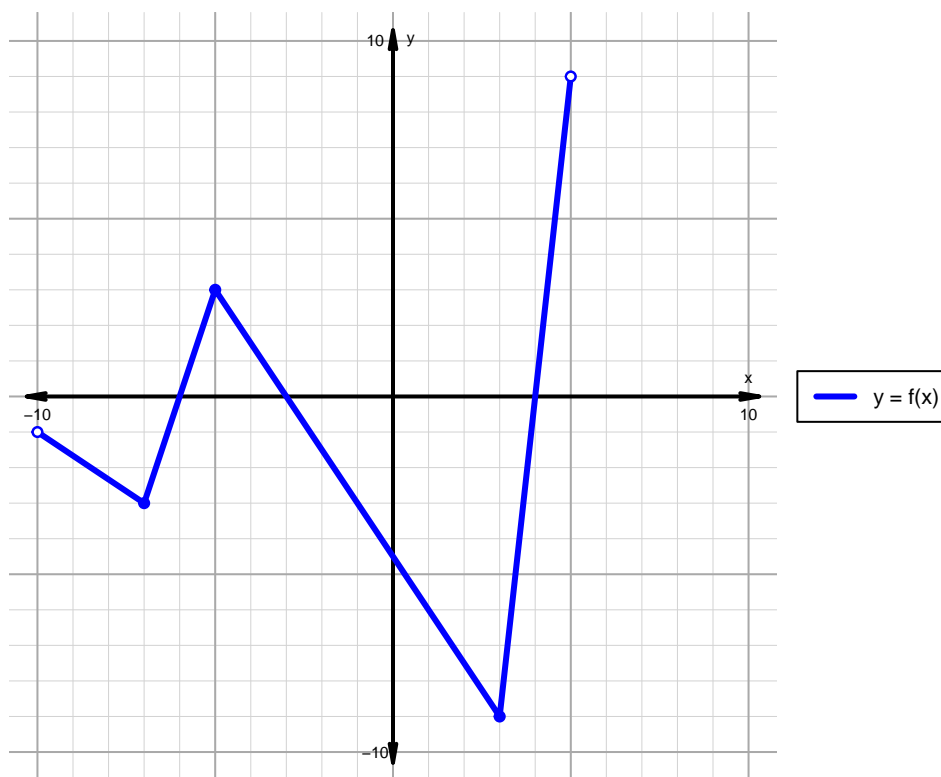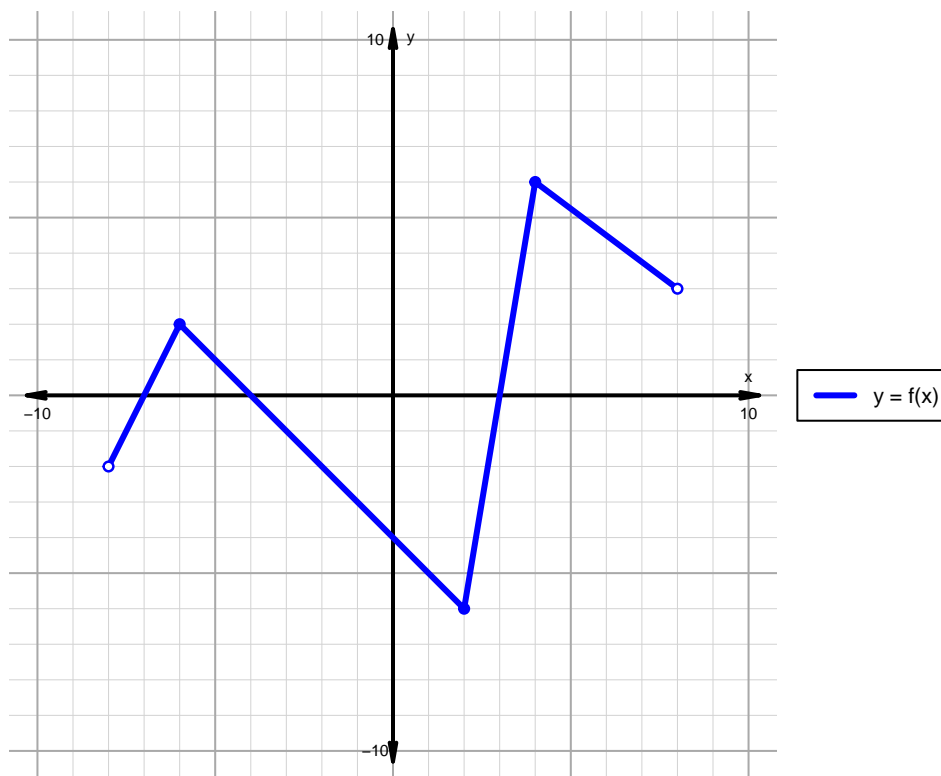
1. The function f is graphed below.

Indicate the following intervals using interval notation. Remember, you can use $\cup$ between two intervals to indicate the union. Except for range, all intervals will indicate x values; this is standard.

Feature	Where
Positive	$(-6, -3) \cup (4, 5)$
Negative	$(-10, -6) \cup (-3, 4)$
Increasing	$(-7, -5) \cup (3, 5)$
Decreasing	$(-10, -7) \cup (-5, 3)$
Domain	$(-10, 5)$
Range	$(-9, 9)$

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2. The function f is graphed below.

Indicate the following intervals using interval notation. Remember, you can use $\cup$ between two intervals to indicate the union. Except for range, all intervals will indicate x values; this is standard.

Feature	Where
Positive	$(-7, -4) \cup (3, 8)$
Negative	$(-8, -7) \cup (-4, 3)$
Increasing	$(-8, -6) \cup (2, 4)$
Decreasing	$(-6, 2) \cup (4, 8)$
Domain	$(-8, 8)$
Range	$(-6, 6)$